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First attempt on the Heterocera fauna of Doğubeyazıt (Ağrı Province, NE Turkey)

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Abstract: First attempt on the Heterocera fauna of Doğubeyazıt (Ağrı Province, NE Turkey). *Misc. Pap*. 193: 1-5, 15 figs.
This paper deals with the Heterocera species of Doğubeyazıt (Ağrı Province, NE Turkey) for the first time. Faunistically 39 species are reported here as new to the fauna of Ağrı Province. Thus, the Lepidoptera species known from the province raised to 554.

Key words: Lepidoptera, Epermeniidae, Gelechiidae, Geometridae, Noctuidae, Pyralidae, Sphingidae, Tortricidae, fauna, Ağrı, Doğubeyazıt, Turkey.

The Lepidoptera fauna of Ağrı Province has not been investigated properly. Kemal & Koçak (2007) listed the species known from the province. An updated list of the Lepidoptera of Turkey was published last year (Koçak & Kemal, 2018). The number of the butterflies of Ağrı Province is 135 (Info-system of the Cesa) [2]. Last week, the authors found an opportunity to realize a short trip to Aras Valley and the vicinity of Doğubeyazıt (Ağrı Province, NE Turkey). Together with the result of this short trip, the number of the Heterocera species from Ağrı Province raised to 419. Thus, the provincial number of the Lepidoptera species became 554.

In this short paper the material, collected in the mountainous area of SE Doğubeyazıt are evaluated faunistically. First results are noteworthy, although the material contains only the species flying in late June. The species have been identified by the authors and all the known species from Doğubeyazıt are listed below. Among them 39 species are the first records for the fauna of Ağrı Province. The identifying of some species are still ongoing. Potentially, the Lepidoptera fauna of this region is rather rich; therefore the number of the species from Ağrı Province may soon increase much more.

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[2] http://www.cesa-tr.org/Infos.htm

The species recorded partly illustrated from Doğubeyazıt

The symbol * denotes the species new recorded for the fauna of Ağrı Province. The symbol # denotes the species previously reported from Doğubeyazıt by various foreign authors.

Epermeniidae: The autumnal species *#Ochromolopis zagulajevi* Budashkin & Sachkov,1991 was reported from "23km W Dagubayazit" [recte Doğubeyazıt) (Gaedike & Mally, 2014: 62).

Gelechiidae: **Metanarsia modesta* Staudinger,1871.

Geometridae: *Aspitates quadripunctata* (Goeze,1781). **Camptogramma bilineatum* (Linnaeus,1758). **Catarhoe permixtaria* (Guenée,[1858]). **Eupithecia scalptata* Christoph,1885 **(Fig.1)**. **Heliomata glarearia* (Brahm,1791). **Idaea ossiculata* (Lederer,1871). *Isturgia murinaria* ([Denis & Schiffermüller],1775). *Lithostege flavicornata* (Zeller,1847) This species was previously found by the authors from Karabulak near Ağrı Dağı. *Ochodontia adustaria* Fischer de Waldheim,1840 **(Fig.2)**. **Rhodostrophia* (*Asiotrophia*) *auctata* (Staudinger,1879). **Rhodostrophia* (*Pellonia*) *vibicaria* (Linnaeus,1761) **(Fig.3)**. *Scopula beckeraria* (Lederer,1853). **Scopula decorata* ([Denis & Schiffermüller],1775) **(Fig.4)**. **Scopula immistaria* (Herrich-Schäffer,[1852]) **(Fig.5)**. **Scopula rubiginata* (Hufnagel,1767). **Scopula transcaspica* L.B.Prout,1935. **Synopsidia phasidaria* (Rogenhofer,1873) **(Fig.6)**. **Thalera fimbrialis* (Scopoli,1763) **(Fig.7)**. *Thetidia persica* Hausmann,1996 **(Fig.8)**.

Noctuoidea: *Abrostola clarissa* (Staudinger,1900). *Acontia* (*Emmelia*) *trabealis* (Scopoli,1763). **Antarchaea conicephala* (Staudinger,1870). *Apamea* (s.str.) *ferrago* (Eversmann,1837). *#Apamea (s.str.) platinea* (Treitschke,1825), an autumnal species. *Calamia staudingeri* Warnecke,1941. *Calophasia lunula* (Hufnagel,1766). **Chazaria incarnata* (Freyer,1838). *Chersotis* (s.str.) *multangula* (Hübner,[1803]) (it may belong to ssp. *subdissoluta* F.Wagner,1931. *Chersotis* (s.str.) *fimbriola* (Esper,[1798]). *Cornutiplusia circumflexa* (Linnaeus,1767). *#Cryphia (Bryoleuca) petricolor* (Lederer,1870) (from 2km S Doğubeyazıt (Baisch et al., 1998: 306)). *Dichagyris* (*Albocosta*) *flammatra* ([Denis & Schiffermüller],1775). *#Dichagyris (Yigoga) flavina* (Herrich-Schäffer,[1852]) (from 2km S Doğubeyazıt (Baisch et al., 1998: 231)). *Dichagyris (Yigoga) gracilis* (F.Wagner,1929). *#Dichagyris (Yigoga) romanovi* (Christoph,1885) (from 2km S Doğubeyazıt (Baisch et al., 1998: 230)). *#Dichagyris (s.str.) celebrata* (Alpheraky,1897) (from 2km S Doğubeyazıt as "*Dichagyris armeniaca*" (Baisch et al., 1998: 227)). *#Dichagyris (s.str.) melanura* (Kollar,1846) (from 2km S Doğubeyazıt (Baisch et al., 1998: 228)). *#Dichagyris (s.str.) squalorum* (Eversmann, 1856) (from 2km S Doğubeyazıt (Baisch et al., 1998: 226)). *#Dichagyris (s.str.) terminicincta* (Corti & Draudt,1933) (from 2km S Doğubeyazıt (Baisch et al., 1998: 227)). *Drasteria saisani* (Staudinger,1882) **(Fig.9)**. *Eublemma* (*Glossodice*) *polygrammum* (Duponchel,[1842]), common. **Eublemma chloroticum* (Lederer,1858) **(Fig.10)**, rare. **Eublemma suppunctum* (Staudinger,1892) **(Fig.11)**, rare. **Eulocastra diaphora* (Staudinger,1879). *#Euxoa (Orosagrotis) difficillima* (Draudt,1937) (from 2km S Doğubeyazıt (Baisch et al., 1998: 220)). *#Euxoa (s.str.) aquilina* ([Denis & Schiffermüller],1775) (from 2km S Doğubeyazıt (Baisch et al., 1998: 216)). *Euxoa (s.str.) conspicua* (Hübner,[1824]). *#Euxoa (s.str.) heringi* (Christoph,1877) (from 2km S Doğubeyazıt (Baisch et al., 1998: 218)). *Euxoa (s.str.) homicida* (Staudinger,1900), common. *#Euxoa (s.str.) nigrofusca* (Esper,[1788]) (from 2km S Doğubeyazıt (Baisch et al., 1998: 215)). **Hadena (s.str.) albimacula* (Borkhausen,1792) **(Fig.12)**, *#Hadena (s.str.) cavalla* Pinker,1980 (from 2km S Doğubeyazıt (Baisch et al., 1998: 265)). *Hadena (s.str.) compta* ([Denis & Schiffermüller],1775). *#Hadena (s.str.) drenowski* (Rebel,1930). **Hadula (Calocestra) mendica* (Staudinger,[1895]). *Helicoverpa armigera* (Hübner,[1808]). **Heliophobus reticulata* (Goeze,1781). *Heliothis nubigera* Herrich-Schäffer,[1851]. **Heliothis peltigera* ([Denis & Schiffermüller],1775). *#Hoplodrina superstes* (Ochsenheimer,1816) (from 2km S Doğubeyazıt (Baisch et al., 1998: 331)), *#Leucochlaena fallax* (Staudinger,1870), an autumnal species. **Metoponrhis albirena* (Christoph,1887). *#Mythimna (Hyphilare) ferrago* (Fabricius,1787) (from 2km S Doğubeyazıt (Baisch et al., 1998: 277)). *Noctua (Latanoctua) orbona* (Hufnagel,1766). *Tyta luctuosa* ([Denis & Schiffermüller],1775).

Pyraloidea: *#Catoptria confusella* (Staudinger,1881). *Chrysocrambus linetellus* (Fabricius,1781). **Cynaeda* (s.str.) *gigantea* (Staudinger,1879). **Epiepischnia pseudolydella* Amsel,1954. **Evergestis desertalis* (Hübner,[1813]) **(Fig.13)**. **Evergestis flavifuscalis* Rebel,1903.

Evergestis politalis* ([Denis & Schiffermüller],1775). **Mecyna subsequalis* (Herrich-Schäffer,1855) [=*lutulentalis* Led.]. **Myelois* (s.str.) *circumvoluta* (Fourcroy,1785) **(Fig.14). **Paracorsia repandalis* ([Denis & Schiffermüller],1775). **Psammotis pulveralis* (Hübner,1796). **Pterothrixidia rufella* (Duponchel,1836) **(Fig.15)**. **Pyrausta castalis* Treitschke,1829.

Sphingidae: **Hyles euphorbiae* (Linnaeus,1758), common. *Hyles zygophylli* (Ochsenheimer,1808). This species was previously found by the authors from Karabulak near Ağrı Dağı.

Tortricidae: **Aethes tesserana* ([Denis & Schiffermüller],1775). *Cnephasia* (s.str.) *orientana* (Alpheraky,1877). **Eugnosta lathoniana* (Hübner,[1800]). **Periclepsis cinctana* ([Denis & Schiffermüller],1775).

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Following images were taken by the first author from Ağrı Province (NE Turkey), Doğubeyazıt, vic. İhsakpaşa sarayı 1940m (04Cf), on 28.vi.2019 (Cesa).

Figs 1, 2 – *Eupithecia scalptata* (left). *Ochodontia adustaria* (right).

Figs 3, 4 – *Rhodostrophia vibicaria* (left). *Scopula decorata* (right).

Figs 5, 6 – *Scopula immistaria* (left). *Synopsidia phasidaria* (right).

Figs 7, 8 – *Thalera fimbrialis* (left). *Thetidia persica* (right).

Figs 9, 10 – *Drasteria saisani* (left). *Eublemma chloroticum* (right).

Figs 11, 12 – *Eublemma suppunctum* (left). *Hadena albimacula* (right).

Figs 13-15 – *Evergestis desertalis* (left), *Myelois circumvoluta* (middle), *Pterothrixidia rufella* (right).

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